

ABSTRACT

5 An electrochemical displacement-deposition method for making
composite metal powders is described. The method is carried out
by combining tungsten or molybdenum metal particles with
particles of silver oxide or copper oxide in an aqueous
hydroxide solution. Heat is applied to the solution to cause the
10 oxide particles to convert to silver or copper metal particles
which are substantially adhered to the refractory metal
particles. Unlike conventional methods, it is not necessary to
heat the oxide powders to a very high temperature in a reducing
atmosphere in order to form the composite metal powder.

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